

FIG. 1

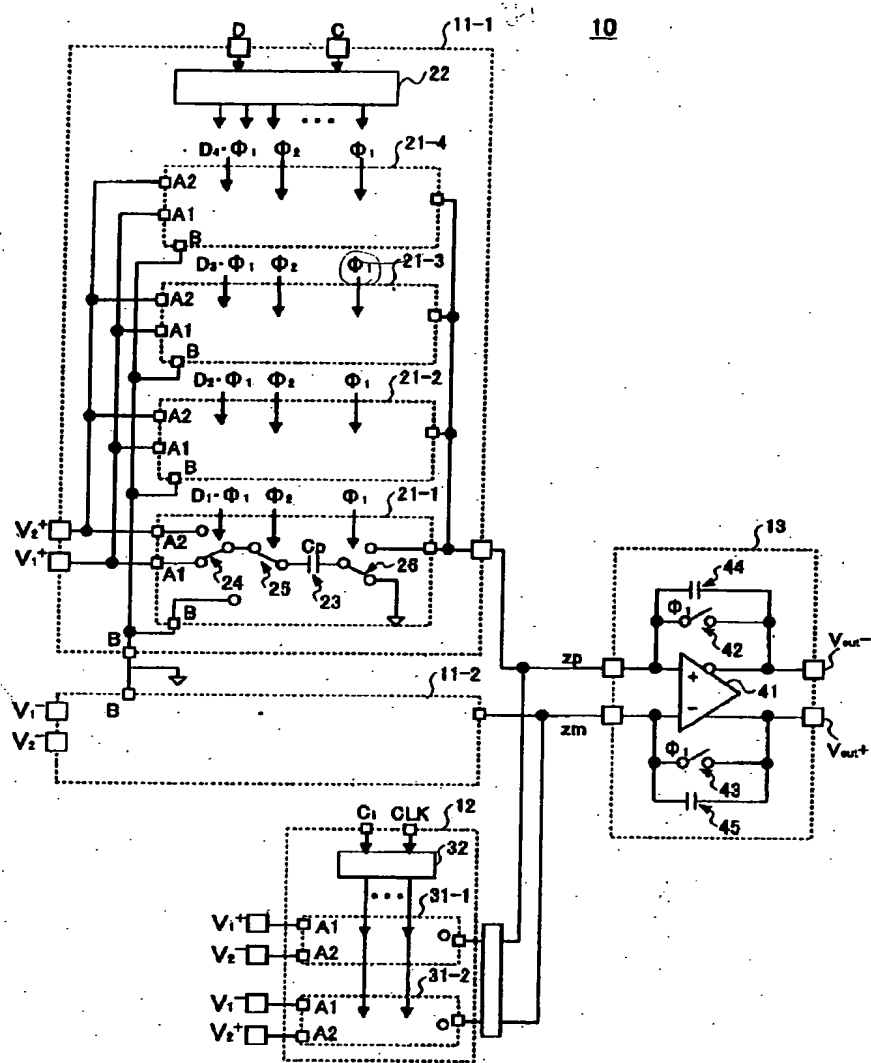


FIG. 2

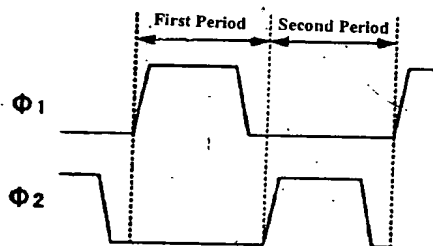


FIG. 3

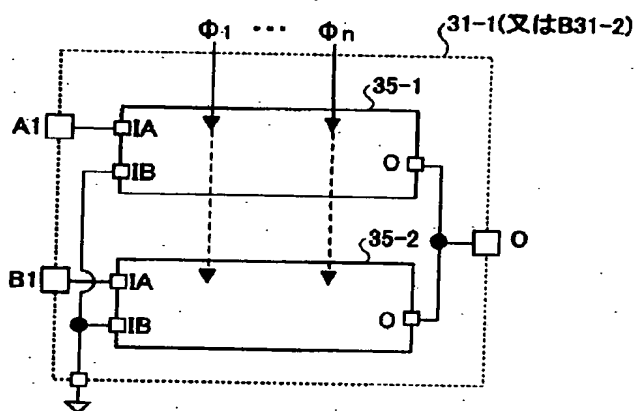


FIG. 4

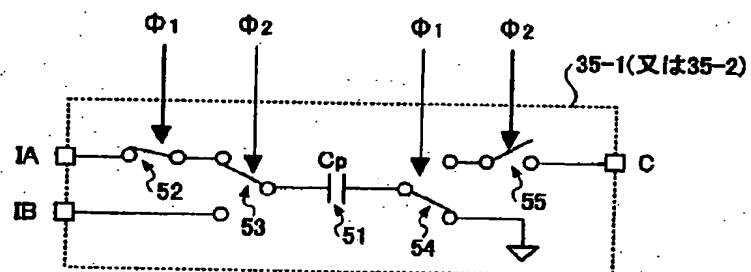


FIG. 5

Control Signals					Voltages Stored In The First Period				Differential Output Voltages Of The Second Period
D4	D3	D2	D1	G1	M1 zp	M1 zm	M2 zp	M2 zm	
0	0	0	0	1	$4V_1^+$	$4V_1^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{5 \cdot (V_1^+ - V_1^-) - (V_2^+ - V_2^-)}{4}$
0	0	0	1	1	$3V_1^+ + V_2^+$	$3V_1^- + V_2^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{4 \cdot (V_1^+ - V_1^-)}{4}$
0	0	1	1	1	$2V_1^+ + 2V_2^+$	$2V_1^- + 2V_2^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{3 \cdot (V_1^+ - V_1^-) + 1 \cdot (V_2^+ - V_2^-)}{4}$
0	1	1	1	1	$V_1^+ + 3V_2^+$	$V_1^- + 3V_2^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{2 \cdot (V_1^+ - V_1^-) + 2 \cdot (V_2^+ - V_2^-)}{4}$
1	1	1	1	1	$4V_2^+$	$4V_2^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{1 \cdot (V_1^+ - V_1^-) + 3 \cdot (V_2^+ - V_2^-)}{4}$

FIG. 6

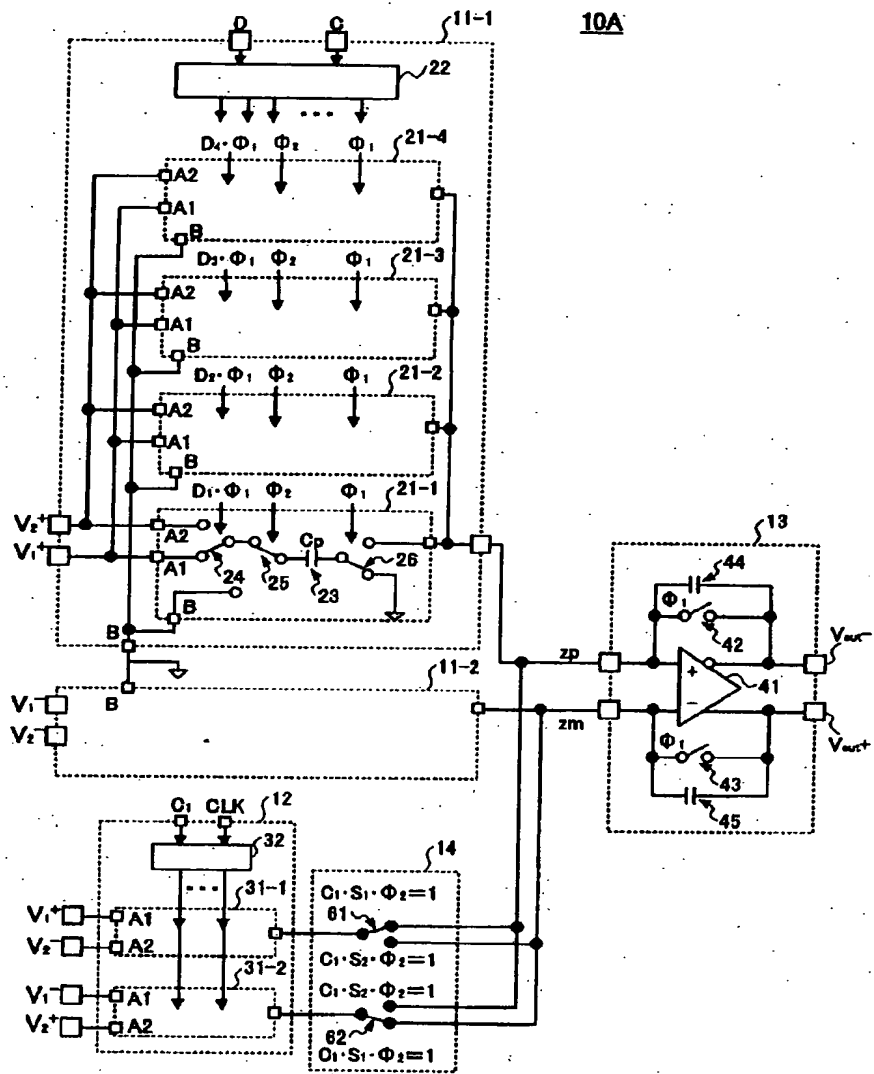


FIG. 7

Control Signals							Voltages Stored In The First Period				Differential Output Voltages Of The Second Period $V_{out}^+ - V_{out}^-$
D4	D3	D2	D1	G1	S1	S2	M1 zp	M1 zm	M2 zp	M2 zm	
0	0	0	0	1	1	0	$4V_1^+$	$4V_1^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{5 \cdot (V_1^+ - V_1^-) - (V_2^+ - V_2^-)}{4}$
0	0	0	0	1	0	0	$4V_1^+$	$4V_1^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{4 \cdot (V_1^+ - V_1^-)}{4}$
0	0	0	1	1	0	0	$3V_1^+ + V_2^+$	$3V_1^- + V_2^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{3 \cdot (V_1^+ - V_1^-) + 1 \cdot (V_2^+ - V_2^-)}{4}$
0	0	1	1	1	0	0	$2V_1^+ + 2V_2^+$	$2V_1^- + 2V_2^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{2 \cdot (V_1^+ - V_1^-) + 2 \cdot (V_2^+ - V_2^-)}{4}$
0	1	1	1	1	0	0	$V_1^+ + 3V_2^+$	$V_1^- + 3V_2^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{1 \cdot (V_1^+ - V_1^-) + 3 \cdot (V_2^+ - V_2^-)}{4}$
1	1	1	1	1	0	0	$4V_2^+$	$4V_2^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{4 \cdot (V_2^+ - V_2^-)}{4}$
1	1	1	1	1	0	1	$4V_2^+$	$4V_2^-$	$V_1^+ + V_2^-$	$V_1^- + V_2^+$	$\frac{-(V_1^+ - V_1^-) + 5 \cdot (V_2^+ - V_2^-)}{4}$

FIG. 8

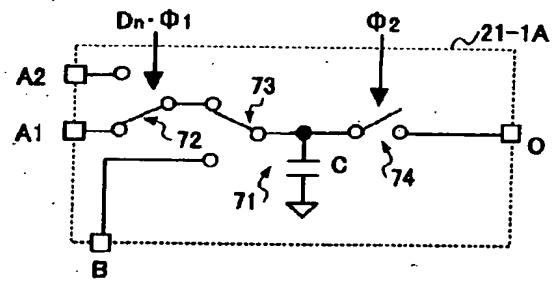


FIG. 9

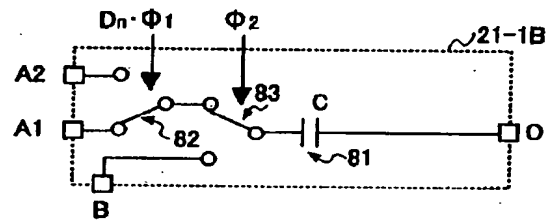


FIG. 10

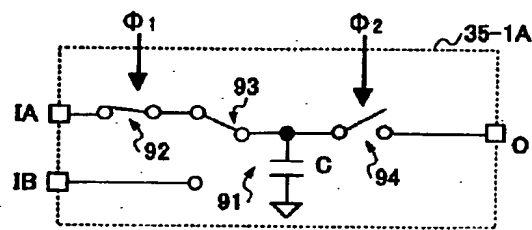


FIG. 11

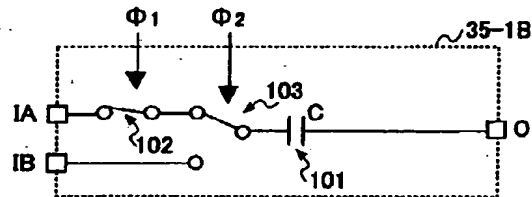


FIG. 12

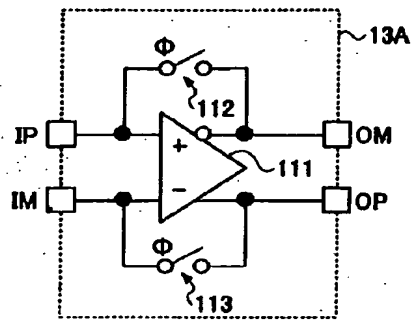


FIG. 13

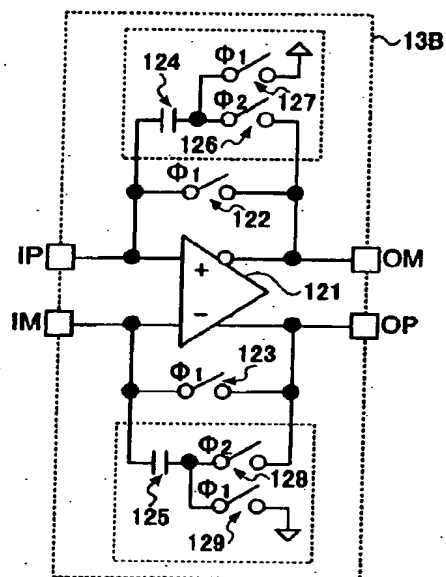


FIG. 14

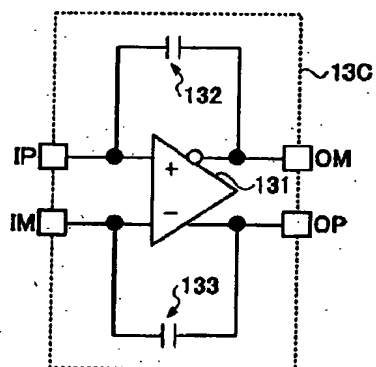




FIG. 15

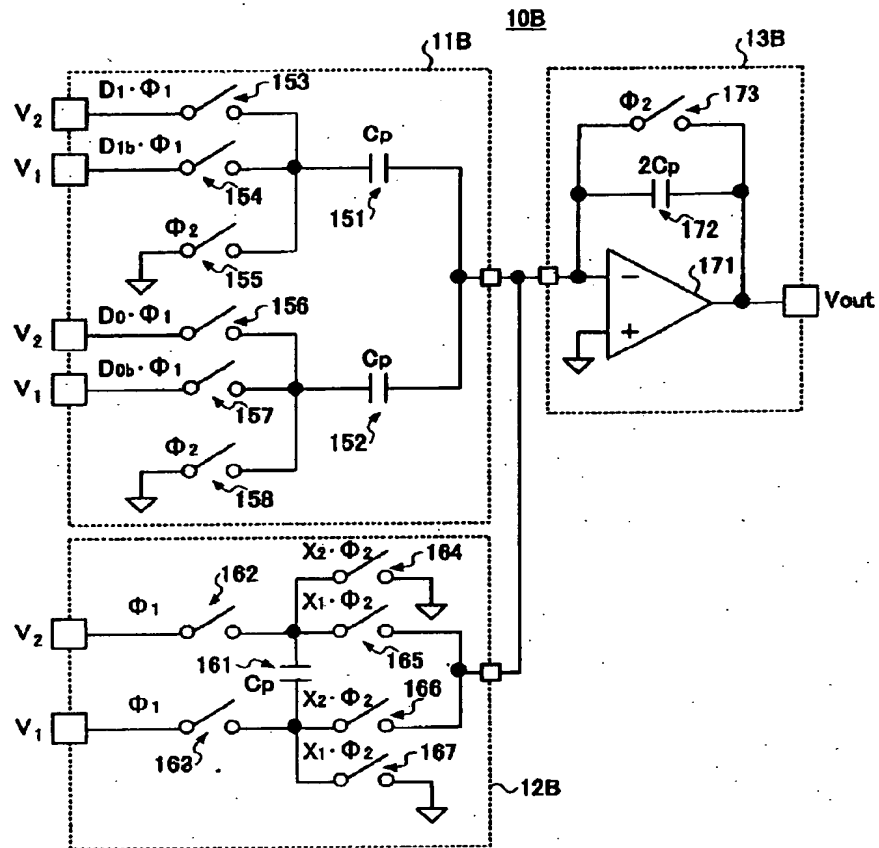


FIG. 16

